



CLASSIC DUO

90/150 12 E

90/150 12 H

Functions

- Self-optimising temperature controller
- Display in °C or °F and l/min or gal/min
- Digital flow display and monitoring
- Automatic temperature monitoring
- Switch for temperature control on the tool
- Heaters switchable in stages
- Pressure gauge
- Automatic or manual refilling
- Time-limited water refill
- Automatic mould draining
- Leak stopper function

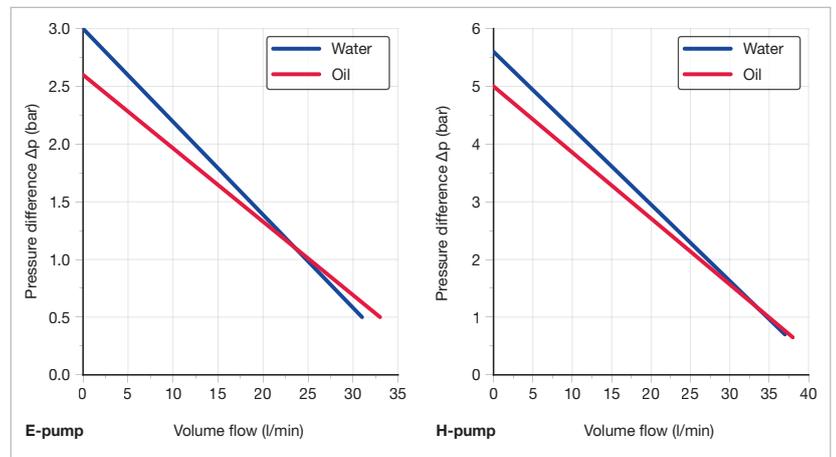
Construction method

- Sealless pump made of bronze
- Limescale-free heat exchanger
- Corrosion-resistant device
- Device on castors

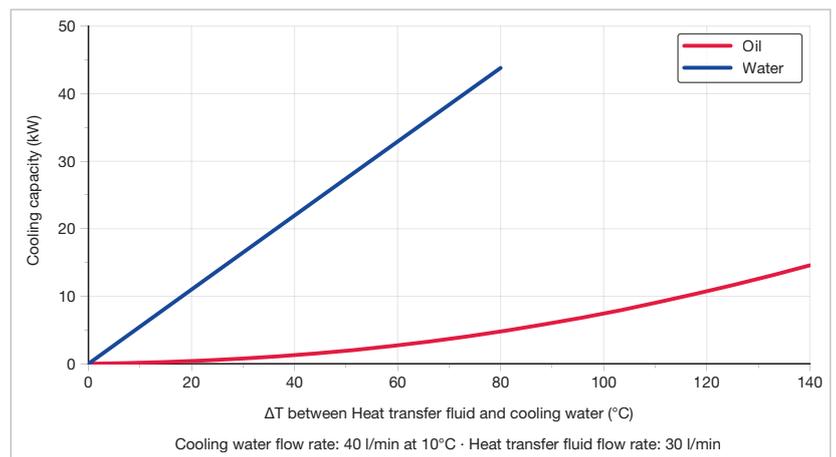
Safety devices

- Level control as dry-running protection
- Electronic temperature limitation
- Visual and acoustic error indications
- Integrated circuit breakers
- Main switch, transformer and motor protection switch

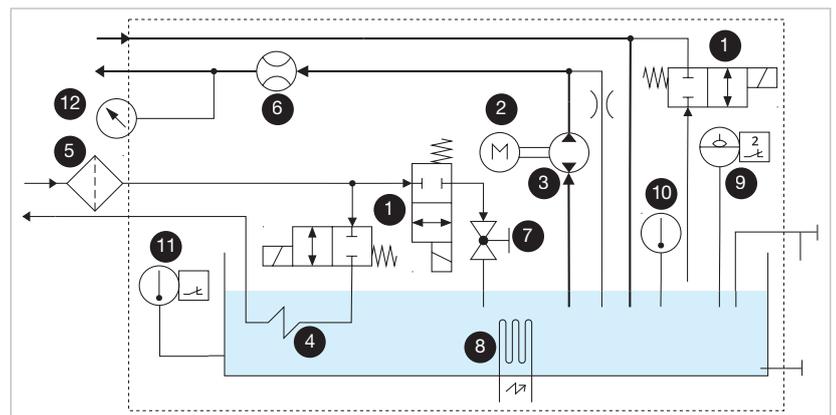
Pump performance



Cooling capacity

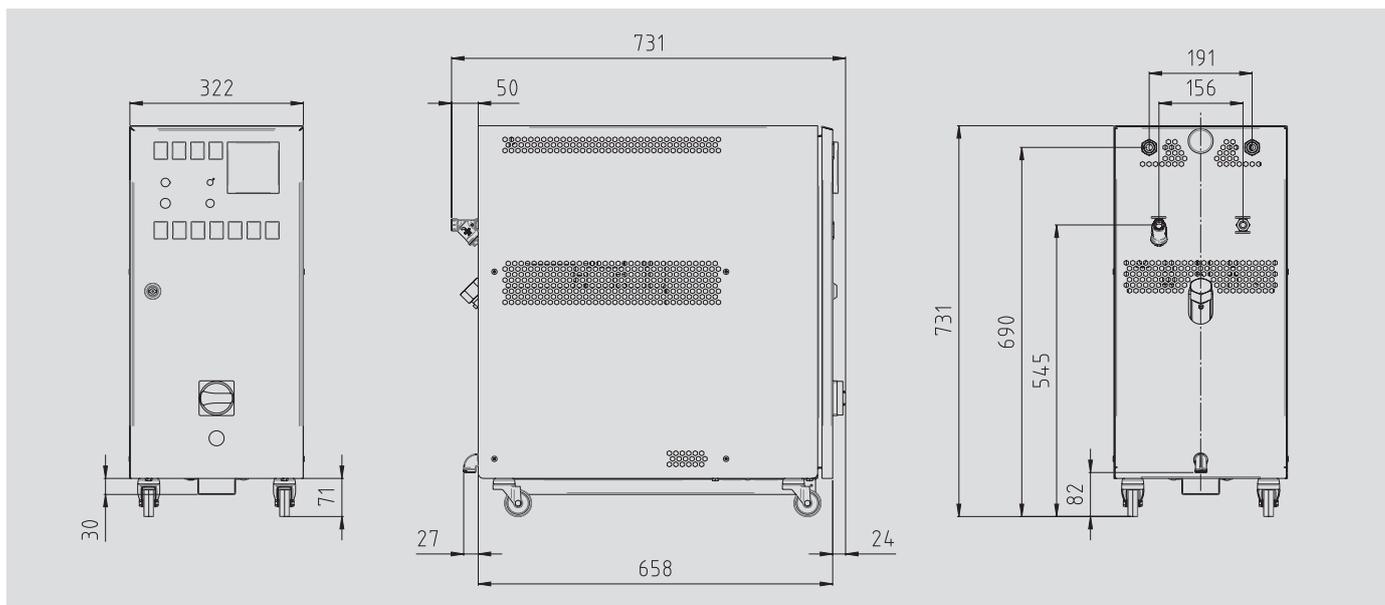


Fluidic diagram



1 2-2 way valve (normally closed), 2 pump motor, 3 pump with reversible pump direction, 4 cooling coil, 5 filter, 6 flow sensor, 7 ball valve, 8 heating element, 9 level sensor, 10 temperature sensor, 11 safety thermostat, 12 pressure sensor

Technical specifications



Maximum temperature	Water 90 °C, Oil 150 °C
Heating output	Water 12 kW, Oil 6 kW
Cooling capacity	See diagram
Filling volume (heat transfer fluid)	Minimum 16 litres, maximum 20 litres
Pump	Type E or H
Pressure and flow rate	See diagram
Motor rated power	Type E: 0.75 kW, Type H: 1.5 kW
Control system	MP-888
Temperature measurement	Temperature sensor FeKo type J
Pump-pressure measurement	Pressure gauge
Flow measurement (heat-transfer fluid)	Impeller wheel sensor with inductive pick-up
Connections	
Heat transfer fluid (feed and return)	½" BSPP (G½) female thread
Cooling water inlet	¾" BSPP (G¾) female thread, with water filter
Cooling water outlet	¾" BSPP (G¾) male thread
Empty weight	Type E 64 kg, Type H 68 kg
Colour	RAL 7035 light grey
Surroundings	
Temperature range	5–40 °C
Relative humidity	40–80% RH (non-condensing, no ice formation)
Installation	Inside, ventilation openings must be at least 10 cm clear
Continuous sound pressure level	< 70 dB (A)
Power supply	380-415 V, 50 Hz/440-480 V, 60 Hz/380 V, 60 Hz/200-230 V, 50 Hz/200-240 V, 60 Hz
Connected load	Pump type E: 12.9 kW Pump type H: 13.6 kW
Conductor cross-section of connection cable	
200–240 V	10 mm ²
380–480 V	6 mm ²
Protection class device	IP44
Labeling	CE